

Title (en)  
SWITCH PROBE FOR MULTIPLE ELECTRODE MEASUREMENT OF IMPEDANCE

Title (de)  
SCHALTSONDE ZUR IMPEDANZMESSUNG MIT MEHREREN ELEKTRODEN

Title (fr)  
SONDE À COMMUTATION POUR MESURE D'IMPÉDANCE À ÉLECTRODES MULTIPLES

Publication  
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Application  
**EP 09776338 A 20090127**

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Abstract (en)  
[origin: WO2010085969A1] The present invention provides impedance data having an improved spatial resolution, both with regard to depth and lateral extension, which enables a detection of diseased skin conditions, such as a malignant melanoma, at an early stage. Specifically, the present invention is implemented in a probe, medical devices and medical systems including such a probe, and methods using such a probe for measuring electrical impedance of tissue of a subject. A switching circuit is arranged for selectively activate electrode pairs of the probe in accordance with a predetermined activation scheme, the predetermined activation scheme including to activate adjacent electrodes in a successive manner, to gradually scan tissue of the subject at a first tissue depth so as to obtain a sequence of impedance signals from the tissue depth.

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